

Customer No.: 31561
Docket No.: 10657-US-PA
Application No.: 10/709,374

AMENDMENT

To the Claims:

Claim 1. (currently amended) A wide viewing angle liquid crystal display, comprising:

- a back light unit;
- an optical compensation circular polarizer unit disposed set over the back light unit;
- an optically self-compensated birefringence liquid crystal panel disposed set over the optical compensation circular polarizer unit; and
- an optical compensation circular analyzer unit disposed set over the optically self-compensated birefringence liquid crystal panel, and the optical compensation circular analyzer unit set comprising:
 - an analyzer plate, wherein the absorption axis of the analyzer plate is perpendicular to the absorption axis of the polarizer plate, and the polarizer plate form an included angle of between 40° to 50° with the alignment direction of the liquid crystal panel;
 - a second uniaxial quarter-wave plate sandwiched between the analyzer plate and the optically self-compensated birefringence liquid crystal panel, wherein the optical axis of the second uniaxial quarter-wave plate forms an included angle of about 45° with the absorption axis of the analyzer plate; and
 - a second biaxial compensation film sandwiched between the second uniaxial quarter-wave plate and the optically self-compensated birefringence liquid crystal panel, wherein the second biaxial compensation film has principal

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refractive indices n_x' , n_y' and n_z' that satisfy the following inequality relations:
 $n_x' > n_y' > n_z'$ and $4 > (n_x' - n_z') / (n_x' - n_y') > 2$, and the principal axis with the
refractive index n_x' is perpendicular to the alignment direction of the liquid
crystal panel.

Claims 2-5. (withdrawn)

Claim 6. (original) The liquid crystal display of claim 1, wherein the optical compensation circular polarizer unit further comprises:

a polarizer plate;

a first uniaxial quarter-wave plate sandwiched between the polarizer plate and the liquid crystal panel, wherein the optical axis of the first uniaxial quarter-wave plate and an absorption axis of the polarizer plate form an included angle of about 45° ; and

a first biaxial compensation film sandwiched between the first uniaxial quarter-wave plate and the liquid crystal panel.

Claim 7. (original) The liquid crystal display of claim 6, wherein the first biaxial compensation film has principal refractive indices n_x , n_y and n_z that satisfy the following inequality relations: $n_x > n_y > n_z$ and $(n_x - n_z) / (n_x - n_y) > 6$, and the principal axis with the refractive index n_x is perpendicular to the alignment direction of the liquid crystal panel.

Claims 8-9 (withdrawn)

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P. 06

Customer No.: 31561
Docket No.: 10657-US-PA
Application No.: 10/709,374

Claim 10-11. (cancelled)

Claims 12-14 (withdrawn)